7. LAMPIRAN

Lampiran 1. Perhitungan Umur Simpan

Rumus: $k = k_0\, e^{-Ea/RT}$

$$t_s = \frac{|Q_0 - Qe|}{k}$$

- Pendugaan Umur Simpan Biskuit Berdasarkan Parameter Kadar Air Ordo 0
  - y = -3.113x + 8,205

    -Ea/R = -3.113 K → Ea = 6.182,418 kal/mol

    Ln k_0 = 8,205 → k_0 = 3.659,20

    $k = 3.659{,}20\, e^{-3.113(1/T)}$

    1) Suhu 30°C atau 303 K

       $k = 3.659{,}20\, e^{-3.113(1/303)} = 0{,}126$

       $t_s = \frac{5\% - 3{,}05\%}{0{,}126} = 15{,}476 \text{ minggu} = 3{,}87 \text{ bulan}$

    2) Suhu 40°C atau 313 K

       $k = 3.659{,}20\, e^{-3.113(1/313)} = 0{,}175$

       $t_s = \frac{5\% - 3{,}05\%}{0{,}175} = 11{,}143 \text{ minggu} = 2{,}79 \text{ bulan}$

    3) Suhu 50°C atau 323 K

       $k = 3.659{,}20\, e^{-3.113(1/323)} = 0{,}239$

       $t_s = \frac{5\% - 3{,}05\%}{0{,}239} = 8{,}159 \text{ minggu} = 2{,}04 \text{ bulan}$

- Pendugaan Umur Simpan Biskuit Berdasarkan Parameter Aw Ordo 0
  - y = -5.502x + 14,01

    -Ea/R = -5.502 K → Ea = 10.926,972 kal/mol

    Ln k_0 = 14,01 → k_0 = 1.214.690,66

    $k = 1.214.690{,}66\, e^{-5.502(1/T)}$

    1) Suhu 30°C atau 303 K

       $k = 1.214.690{,}66\, e^{-5.502(1/303)} = 0{,}016$

       $t_s = \frac{0{,}600 - 0{,}303}{0{,}016} = 18{,}563 \text{ minggu} = 4{,}64 \text{ bulan}$

2) Suhu 40°C atau 313 K

$k = 1.214.690,66\ e^{-5.502(1/313)} = 0,028$

$$t_s = \frac{0,600 - 0,303}{0,028} = 10,607 \text{ minggu} = 2,65 \text{ bulan}$$

3) Suhu 50°C atau 323 K

$k = 1.214.690,66\ e^{-5.502(1/323)} = 0,049$

$$t_s = \frac{0,600 - 0,303}{0,049} = 6,061 \text{ minggu} = 1,52 \text{ bulan}$$

➢ Pendugaan Umur Simpan Biskuit Berdasarkan Parameter Angka TBA Ordo 0

- y = -3.482x + 8,554

  -Ea/R = -3.482 K → Ea = 6.915.252 kal/mol

  Ln k_0 = 8,554 → k_0 = 5187,46

  $k = 5187,46\ e^{-3.482(1/T)}$

  1) Suhu 30°C atau 303 K

  $k = 5187,46\ e^{-3.482(1/303)} = 0,053$

  $$t_s = \frac{3,00 - 0,09}{0,053} = 54,91 \text{ minggu} = 13,73 \text{ bulan}$$

  2) Suhu 40°C atau 313 K

  $k = 5187,46\ e^{-3.482(1/313)} = 0,076$

  $$t_s = \frac{3,00 - 0,09}{0,076} = 38,29 \text{ minggu} = 9,57 \text{ bulan}$$

  3) Suhu 50°C atau 323 K

  $k = 5187,46\ e^{-3.482(1/323)} = 0,108$

  $$t_s = \frac{3,00 - 0,09}{0,108} = 26,94 \text{ minggu} = 6,74 \text{ bulan}$$

Lampiran 2. Hasil Pengolahan Analisa Data SPSS

- Uji Normalitas dan Duncan Warna Biskuit MP-ASI

Tests of Normality

	Suhu	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
L_minggu0	30 derajat Celcius	.219	5	.200*	.957	5	.786
	40 derajat Celcius	.219	5	.200*	.957	5	.786
	50 derajat Celcius	.219	5	.200*	.957	5	.786
L_minggu6	30 derajat Celcius	.239	5	.200*	.959	5	.801
	40 derajat Celcius	.172	5	.200*	.971	5	.884
	50 derajat Celcius	.208	5	.200*	.903	5	.425
a_minggu0	30 derajat Celcius	.238	5	.200*	.917	5	.512
	40 derajat Celcius	.238	5	.200*	.917	5	.512
	50 derajat Celcius	.238	5	.200*	.917	5	.512
a_minggu6	30 derajat Celcius	.191	5	.200*	.955	5	.770
	40 derajat Celcius	.138	5	.200*	.990	5	.979
	50 derajat Celcius	.283	5	.200*	.855	5	.211
b_minggu0	30 derajat Celcius	.233	5	.200*	.929	5	.591
	40 derajat Celcius	.233	5	.200*	.929	5	.591
	50 derajat Celcius	.233	5	.200*	.929	5	.591
b_minggu6	30 derajat Celcius	.247	5	.200*	.898	5	.397
	40 derajat Celcius	.248	5	.200*	.873	5	.280
	50 derajat Celcius	.243	5	.200*	.913	5	.487

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
L_minggu0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	73.518	12	6.127		
	Total	73.518	14			
L_minggu6	Between Groups	611.107	2	305.554	124.776	.000
	Within Groups	29.386	12	2.449		
	Total	640.493	14			

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
a_minggu0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	13.132	12	1.094		
	Total	13.132	14			
a_minggu6	Between Groups	65.935	2	32.968	101.058	.000
	Within Groups	3.915	12	.326		
	Total	69.850	14			

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
b_minggu0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	7.714	12	.643		
	Total	7.714	14			
b_minggu6	Between Groups	390.496	2	195.248	47.307	.000
	Within Groups	49.527	12	4.127		
	Total	440.023	14			

L_minggu0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	67.2520
40 derajat Celcius	5	67.2520
50 derajat Celcius	5	67.2520
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

L_minggu6

Duncan[a]

Suhu	N	Subset for alpha = .05	
		1	2
50 derajat Celcius	5	49.5780	
30 derajat Celcius	5		62.2540
40 derajat Celcius	5		63.8420
Sig.		1.000	.135

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

a_minggu0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	5.3900
40 derajat Celcius	5	5.3900
50 derajat Celcius	5	5.3900
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

a_minggu6

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
40 derajat Celcius	5	6.0740		
30 derajat Celcius	5		8.0140	
50 derajat Celcius	5			11.1620
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

b_minggu0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	30.7120
40 derajat Celcius	5	30.7120
50 derajat Celcius	5	30.7120
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

b_minggu6

Duncan[a]

Suhu	N	Subset for alpha = .05	
		1	2
50 derajat Celcius	5	20.5320	
40 derajat Celcius	5		31.1320
30 derajat Celcius	5		31.5660
Sig.		1.000	.741

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
L_Suhu30	Equal variances assumed	2.653	.142	2.680	8	.028	3.41000	1.27227	.47613	6.34387
	Equal variances not assumed			2.680	6.328	.035	3.41000	1.27227	.33560	6.48440
L_Suhu40	Equal variances assumed	6.028	.040	4.221	8	.003	4.99800	1.18419	2.26725	7.72875
	Equal variances not assumed			4.221	5.132	.008	4.99800	1.18419	1.97735	8.01865
L_Suhu50	Equal variances assumed	.250	.631	12.126	8	.000	17.67400	1.45747	14.31307	21.03493
	Equal variances not assumed			12.126	7.815	.000	17.67400	1.45747	14.29921	21.04879
a_Suhu30	Equal variances assumed	18.909	.002	-1.451	8	.185	-.68400	.47139	-1.77102	.40302
	Equal variances not assumed			-1.451	4.122	.218	-.68400	.47139	-1.97761	.60961
a_Suhu40	Equal variances assumed	2.837	.131	-4.802	8	.001	-2.62400	.54640	-3.88401	-1.36399
	Equal variances not assumed			-4.802	6.572	.002	-2.62400	.54640	-3.93329	-1.31471
a_Suhu50	Equal variances assumed	1.356	.278	-10.024	8	.000	-5.77200	.57581	-7.09981	-4.44419
	Equal variances not assumed			-10.024	7.256	.000	-5.77200	.57581	-7.12389	-4.42011
b_Suhu30	Equal variances assumed	5.407	.049	-.566	8	.587	-.42000	.74207	-2.13122	1.29122
	Equal variances not assumed			-.566	6.230	.591	-.42000	.74207	-2.21966	1.37966
b_Suhu40	Equal variances assumed	11.988	.009	-.676	8	.518	-.85400	1.26285	-3.76613	2.05813
	Equal variances not assumed			-.676	4.696	.531	-.85400	1.26285	-4.16445	2.45645
b_Suhu50	Equal variances assumed	2.709	.138	12.025	8	.000	10.18000	.84655	8.22785	12.13215
	Equal variances not assumed			12.025	5.669	.000	10.18000	.84655	8.07892	12.28108

- Uji Normalitas dan Duncan *Hardness* Biskuit MP-ASI

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Waktu	Statistic	df	Sig.	Statistic	df	Sig.
Tekstur_Suhu30	minggu 0	.309	5	.133	.813	5	.103
	minggu 1	.162	5	.200*	.966	5	.847
	minggu 2	.212	5	.200*	.942	5	.684
	minggu 3	.170	5	.200*	.970	5	.876
	minggu 4	.223	5	.200*	.900	5	.412
	minggu 5	.241	5	.200*	.886	5	.335
	minggu 6	.247	5	.200*	.865	5	.248
Tekstur_Suhu40	minggu 0	.309	5	.133	.813	5	.103
	minggu 1	.235	5	.200*	.880	5	.308
	minggu 2	.198	5	.200*	.956	5	.782
	minggu 3	.218	5	.200*	.873	5	.279
	minggu 4	.206	5	.200*	.945	5	.699
	minggu 5	.207	5	.200*	.904	5	.435
	minggu 6	.178	5	.200*	.970	5	.877
Tekstur_Suhu50	minggu 0	.309	5	.133	.813	5	.103
	minggu 1	.209	5	.200*	.901	5	.415
	minggu 2	.307	5	.138	.831	5	.142
	minggu 3	.198	5	.200*	.932	5	.613
	minggu 4	.196	5	.200*	.978	5	.924
	minggu 5	.231	5	.200*	.959	5	.799
	minggu 6	.216	5	.200*	.958	5	.796

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Tekstur_Suhu30	Between Groups	780234.2	6	130039.036	34.929	.000
	Within Groups	104242.7	28	3722.952		
	Total	884476.9	34			
Tekstur_Suhu40	Between Groups	1842491	6	307081.895	87.950	.000
	Within Groups	97763.748	28	3491.562		
	Total	1940255	34			
Tekstur_Suhu50	Between Groups	5668724	6	944787.345	266.745	.000
	Within Groups	99173.528	28	3541.912		
	Total	5767898	34			

Tekstur_Suhu30

Duncan[a]

		Subset for alpha = .05					
Waktu	N	1	2	3	4	5	6
minggu 6	5	3326.020					
minggu 5	5		3444.280				
minggu 4	5		3517.120	3517.120			
minggu 3	5			3594.740	3594.740		
minggu 2	5				3662.500	3662.500	
minggu 1	5					3722.880	3722.880
minggu 0	5						3784.300
Sig.		1.000	.069	.054	.090	.129	.123

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Suhu40

Duncan[a]

Waktu	N	Subset for alpha = .05					
		1	2	3	4	5	6
minggu 6	5	3126.960					
minggu 5	5	3201.240					
minggu 4	5		3317.880				
minggu 3	5			3424.280			
minggu 2	5				3571.280		
minggu 1	5					3690.500	
minggu 0	5						3784.300
Sig.		.057	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Suhu50

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 6	5	2566.680						
minggu 5	5		2741.360					
minggu 4	5			2953.780				
minggu 3	5				3141.380			
minggu 2	5					3388.640		
minggu 1	5						3508.900	
minggu 0	5							3784.300
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Tekstur_Minggu0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	36201.240	12	3016.770		
	Total	36201.240	14			
Tekstur_Minggu1	Between Groups	133024.1	2	66512.054	12.898	.001
	Within Groups	61880.968	12	5156.747		
	Total	194905.1	14			
Tekstur_Minggu2	Between Groups	194462.9	2	97231.465	23.639	.000
	Within Groups	49357.220	12	4113.102		
	Total	243820.1	14			
Tekstur_Minggu3	Between Groups	524373.9	2	262186.926	73.437	.000
	Within Groups	42842.568	12	3570.214		
	Total	567216.4	14			
Tekstur_Minggu4	Between Groups	816028.9	2	408014.453	98.269	.000
	Within Groups	49824.204	12	4152.017		
	Total	865853.1	14			
Tekstur_Minggu5	Between Groups	1274424	2	637212.152	194.145	.000
	Within Groups	39385.732	12	3282.144		
	Total	1313810	14			
Tekstur_Minggu6	Between Groups	1550226	2	775113.165	428.871	.000
	Within Groups	21688.008	12	1807.334		
	Total	1571914	14			

Tekstur_Minggu0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	3784.300
40 derajat Celcius	5	3784.300
50 derajat Celcius	5	3784.300
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Minggu1

Duncan[a]

Suhu	N	Subset for alpha = .05	
		1	2
50 derajat Celcius	5	3508.900	
40 derajat Celcius	5		3690.500
30 derajat Celcius	5		3722.880
Sig.		1.000	.490

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Minggu2

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
50 derajat Celcius	5	3388.640		
40 derajat Celcius	5		3571.280	
30 derajat Celcius	5			3662.500
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Minggu3

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
50 derajat Celcius	5	3141.380		
40 derajat Celcius	5		3424.280	
30 derajat Celcius	5			3594.740
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Minggu4

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
50 derajat Celcius	5	2953.780		
40 derajat Celcius	5		3317.880	
30 derajat Celcius	5			3517.120
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Minggu5

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
50 derajat Celcius	5	2741.360		
40 derajat Celcius	5		3201.240	
30 derajat Celcius	5			3444.280
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Tekstur_Minggu6

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
50 derajat Celcius	5	2566.680		
40 derajat Celcius	5		3126.960	
30 derajat Celcius	5			3326.020
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

- Uji Normalitas dan Duncan Kadar Air Biskuit MP-ASI

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Waktu	Statistic	df	Sig.	Statistic	df	Sig.
Kadar_Air_Suhu30	minggu 0	.211	5	.200*	.965	5	.844
	minggu 1	.172	5	.200*	.965	5	.843
	minggu 2	.245	5	.200*	.871	5	.269
	minggu 3	.213	5	.200*	.939	5	.656
	minggu 4	.205	5	.200*	.970	5	.876
	minggu 5	.243	5	.200*	.864	5	.244
	minggu 6	.219	5	.200*	.961	5	.816
Kadar_Air_Suhu40	minggu 0	.211	5	.200*	.965	5	.844
	minggu 1	.236	5	.200*	.950	5	.738
	minggu 2	.224	5	.200*	.894	5	.378
	minggu 3	.162	5	.200*	.988	5	.971
	minggu 4	.244	5	.200*	.950	5	.735
	minggu 5	.181	5	.200*	.983	5	.950
	minggu 6	.206	5	.200*	.950	5	.735
Kadar_Air_Suhu50	minggu 0	.211	5	.200*	.965	5	.844
	minggu 1	.222	5	.200*	.969	5	.868
	minggu 2	.194	5	.200*	.940	5	.663
	minggu 3	.239	5	.200*	.893	5	.373
	minggu 4	.205	5	.200*	.954	5	.767
	minggu 5	.214	5	.200*	.880	5	.311
	minggu 6	.246	5	.200*	.909	5	.462

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kadar_Air_Suhu30	Between Groups	2.189	6	.365	205.264	.000
	Within Groups	.050	28	.002		
	Total	2.238	34			
Kadar_Air_Suhu40	Between Groups	4.816	6	.803	141.162	.000
	Within Groups	.159	28	.006		
	Total	4.975	34			
Kadar_Air_Suhu50	Between Groups	7.775	6	1.296	307.889	.000
	Within Groups	.118	28	.004		
	Total	7.892	34			

Kadar_Air_Suhu30

Duncan[a]

		Subset for alpha = .05						
Waktu	N	1	2	3	4	5	6	7
minggu 0	5	3.0500						
minggu 1	5		3.1880					
minggu 2	5			3.2560				
minggu 3	5				3.4680			
minggu 4	5					3.5500		
minggu 5	5						3.6580	
minggu 6	5							3.8000
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Suhu40

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 0	5	3.0500						
minggu 1	5		3.2880					
minggu 2	5			3.5140				
minggu 3	5				3.7460			
minggu 4	5					3.8880		
minggu 5	5						4.0340	
minggu 6	5							4.1420
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Suhu50

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 0	5	3.0500						
minggu 1	5		3.3540					
minggu 2	5			3.6140				
minggu 3	5				3.8020			
minggu 4	5					4.0760		
minggu 5	5						4.2360	
minggu 6	5							4.5020
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kadar_Air_Minggu0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	.015	12	.001		
	Total	.015	14			
Kadar_Air_Minggu1	Between Groups	.070	2	.035	5.567	.019
	Within Groups	.075	12	.006		
	Total	.145	14			
Kadar_Air_Minggu2	Between Groups	.341	2	.171	58.561	.000
	Within Groups	.035	12	.003		
	Total	.376	14			
Kadar_Air_Minggu3	Between Groups	.320	2	.160	39.599	.000
	Within Groups	.048	12	.004		
	Total	.368	14			
Kadar_Air_Minggu4	Between Groups	.710	2	.355	101.491	.000
	Within Groups	.042	12	.004		
	Total	.752	14			
Kadar_Air_Minggu5	Between Groups	.860	2	.430	109.564	.000
	Within Groups	.047	12	.004		
	Total	.908	14			
Kadar_Air_Minggu6	Between Groups	1.232	2	.616	115.598	.000
	Within Groups	.064	12	.005		
	Total	1.296	14			

Kadar_Air_Minggu0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	3.0500
40 derajat Celcius	5	3.0500
50 derajat Celcius	5	3.0500
Sig.		1.000

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Minggu1

Duncan[a]

Suhu	N	Subset for alpha = .05	
		1	2
30 derajat Celcius	5	3.1880	
40 derajat Celcius	5	3.2880	3.2880
50 derajat Celcius	5		3.3540
Sig.		.069	.212

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Minggu2

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	3.2560		
40 derajat Celcius	5		3.5140	
50 derajat Celcius	5			3.6140
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Minggu3

Duncan[a]

Suhu	N	Subset for alpha = .05	
		1	2
30 derajat Celcius	5	3.4680	
40 derajat Celcius	5		3.7460
50 derajat Celcius	5		3.8020
Sig.		1.000	.189

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Minggu4

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	3.5500		
40 derajat Celcius	5		3.8880	
50 derajat Celcius	5			4.0760
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Minggu5

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	3.6580		
40 derajat Celcius	5		4.0340	
50 derajat Celcius	5			4.2360
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Kadar_Air_Minggu6

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	3.8000		
40 derajat Celcius	5		4.1420	
50 derajat Celcius	5			4.5020
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

- Uji Normalitas dan Duncan *Water Activity* (A_w) Biskuit MP-ASI

Tests of Normality

	Waktu	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Aw_Suhu30	minggu 0	.256	5	.200*	.917	5	.509
	minggu 1	.183	5	.200*	.963	5	.831
	minggu 2	.193	5	.200*	.947	5	.715
	minggu 3	.300	5	.161	.761	5	.038
	minggu 4	.303	5	.150	.846	5	.181
	minggu 5	.314	5	.121	.794	5	.072
	minggu 6	.280	5	.200*	.922	5	.541
Aw_Suhu40	minggu 0	.256	5	.200*	.917	5	.509
	minggu 1	.144	5	.200*	.984	5	.953
	minggu 2	.254	5	.200*	.803	5	.086
	minggu 3	.241	5	.200*	.881	5	.313
	minggu 4	.219	5	.200*	.922	5	.543
	minggu 5	.240	5	.200*	.860	5	.227
	minggu 6	.262	5	.200*	.904	5	.433
Aw_Suhu50	minggu 0	.256	5	.200*	.917	5	.509
	minggu 1	.194	5	.200*	.957	5	.786
	minggu 2	.294	5	.180	.835	5	.152
	minggu 3	.238	5	.200*	.854	5	.209
	minggu 4	.295	5	.179	.810	5	.098
	minggu 5	.191	5	.200*	.920	5	.527
	minggu 6	.242	5	.200*	.853	5	.204

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aw_Suhu30	Between Groups	.036	6	.006	96.671	.000
	Within Groups	.002	28	.000		
	Total	.038	34			
Aw_Suhu40	Between Groups	.151	6	.025	236.713	.000
	Within Groups	.003	28	.000		
	Total	.154	34			
Aw_Suhu50	Between Groups	.300	6	.050	306.754	.000
	Within Groups	.005	28	.000		
	Total	.304	34			

Aw_Suhu30

Duncan[a]

Waktu	N	Subset for alpha = .05					
		1	2	3	4	5	6
minggu 0	5	.30280					
minggu 1	5		.31680				
minggu 2	5			.34460			
minggu 3	5				.35500		
minggu 4	5					.36880	
minggu 5	5					.37740	
minggu 6	5						.40260
Sig.		1.000	1.000	1.000	1.000	.096	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Suhu40

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 0	5	.30280						
minggu 1	5		.32960					
minggu 2	5			.35860				
minggu 3	5				.38420			
minggu 4	5					.41580		
minggu 5	5						.46480	
minggu 6	5							.49840
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Suhu50

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 0	5	.30280						
minggu 1	5		.35400					
minggu 2	5			.39180				
minggu 3	5				.44160			
minggu 4	5					.48280		
minggu 5	5						.54340	
minggu 6	5							.57760
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Aw_Minggu0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	.001	12	.000		
	Total	.001	14			
Aw_Minggu1	Between Groups	.004	2	.002	11.351	.002
	Within Groups	.002	12	.000		
	Total	.005	14			
Aw_Minggu2	Between Groups	.006	2	.003	30.471	.000
	Within Groups	.001	12	.000		
	Total	.007	14			
Aw_Minggu3	Between Groups	.019	2	.010	76.224	.000
	Within Groups	.002	12	.000		
	Total	.021	14			
Aw_Minggu4	Between Groups	.033	2	.016	115.143	.000
	Within Groups	.002	12	.000		
	Total	.035	14			
Aw_Minggu5	Between Groups	.069	2	.034	287.870	.000
	Within Groups	.001	12	.000		
	Total	.070	14			
Aw_Minggu6	Between Groups	.077	2	.038	580.586	.000
	Within Groups	.001	12	.000		
	Total	.078	14			

Aw_Minggu0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	.30280
40 derajat Celcius	5	.30280
50 derajat Celcius	5	.30280
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Minggu1

Duncan[a]

Suhu	N	Subset for alpha = .05	
		1	2
30 derajat Celcius	5	.31680	
40 derajat Celcius	5	.32960	
50 derajat Celcius	5		.35400
Sig.		.133	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Minggu2

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.34460		
40 derajat Celcius	5		.35860	
50 derajat Celcius	5			.39180
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Minggu3

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.35500		
40 derajat Celcius	5		.38420	
50 derajat Celcius	5			.44160
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Minggu4

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.36880		
40 derajat Celcius	5		.41580	
50 derajat Celcius	5			.48280
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Minggu5

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.37740		
40 derajat Celcius	5		.46480	
50 derajat Celcius	5			.54340
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Aw_Minggu6

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.40260		
40 derajat Celcius	5		.49840	
50 derajat Celcius	5			.57760
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

- Uji Normalitas dan Duncan TBA Biskuit MP-ASI

Tests of Normality

	Waktu	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
TBA_Suhu30	minggu 0	.251	5	.200*	.848	5	.190
	minggu 1	.241	5	.200*	.821	5	.119
	minggu 2	.213	5	.200*	.963	5	.826
	minggu 3	.237	5	.200*	.961	5	.814
	minggu 4	.241	5	.200*	.821	5	.119
	minggu 5	.221	5	.200*	.902	5	.421
	minggu 6	.231	5	.200*	.881	5	.314
TBA_Suhu40	minggu 0	.251	5	.200*	.848	5	.190
	minggu 1	.224	5	.200*	.881	5	.314
	minggu 2	.237	5	.200*	.961	5	.814
	minggu 3	.221	5	.200*	.902	5	.421
	minggu 4	.300	5	.161	.883	5	.325
	minggu 5	.243	5	.200*	.894	5	.377
	minggu 6	.241	5	.200*	.821	5	.119
TBA_Suhu50	minggu 0	.251	5	.200*	.848	5	.190
	minggu 1	.201	5	.200*	.881	5	.314
	minggu 2	.221	5	.200*	.902	5	.421
	minggu 3	.254	5	.200*	.914	5	.492
	minggu 4	.246	5	.200*	.956	5	.777
	minggu 5	.246	5	.200*	.956	5	.777
	minggu 6	.243	5	.200*	.894	5	.377

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
TBA_Suhu30	Between Groups	.397	6	.066	130.548	.000
	Within Groups	.014	28	.001		
	Total	.411	34			
TBA_Suhu40	Between Groups	.845	6	.141	193.650	.000
	Within Groups	.020	28	.001		
	Total	.865	34			
TBA_Suhu50	Between Groups	1.645	6	.274	469.265	.000
	Within Groups	.016	28	.001		
	Total	1.661	34			

TBA_Suhu30

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 0	5	.0900						
minggu 1	5		.1300					
minggu 2	5			.1860				
minggu 3	5				.2660			
minggu 4	5					.3000		
minggu 5	5						.3480	
minggu 6	5							.4020
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_Suhu40

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 0	5	.0900						
minggu 1	5		.1820					
minggu 2	5			.2840				
minggu 3	5				.3620			
minggu 4	5					.4200		
minggu 5	5						.4920	
minggu 6	5							.5600
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_Suhu50

Duncan[a]

Waktu	N	Subset for alpha = .05						
		1	2	3	4	5	6	7
minggu 0	5	.0900						
minggu 1	5		.2640					
minggu 2	5			.3620				
minggu 3	5				.4440			
minggu 4	5					.5280		
minggu 5	5						.6420	
minggu 6	5							.7880
Sig.		1.000	1.000	1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
TBA_minggu0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	.032	12	.003		
	Total	.032	14			
TBA_minggu1	Between Groups	.046	2	.023	33.395	.000
	Within Groups	.008	12	.001		
	Total	.054	14			
TBA_minggu2	Between Groups	.078	2	.039	185.175	.000
	Within Groups	.003	12	.000		
	Total	.080	14			
TBA_minggu3	Between Groups	.079	2	.040	224.642	.000
	Within Groups	.002	12	.000		
	Total	.081	14			
TBA_minggu4	Between Groups	.130	2	.065	527.351	.000
	Within Groups	.001	12	.000		
	Total	.132	14			
TBA_minggu5	Between Groups	.216	2	.108	456.592	.000
	Within Groups	.003	12	.000		
	Total	.219	14			
TBA_minggu6	Between Groups	.377	2	.188	1152.776	.000
	Within Groups	.002	12	.000		
	Total	.379	14			

TBA_minggu0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	.0900
40 derajat Celcius	5	.0900
50 derajat Celcius	5	.0900
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_minggu1

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.1300		
40 derajat Celcius	5		.1820	
50 derajat Celcius	5			.2640
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_minggu2

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.1860		
40 derajat Celcius	5		.2840	
50 derajat Celcius	5			.3620
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_minggu3

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.2660		
40 derajat Celcius	5		.3620	
50 derajat Celcius	5			.4440
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_minggu4

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.3000		
40 derajat Celcius	5		.4200	
50 derajat Celcius	5			.5280
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_minggu5

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.3480		
40 derajat Celcius	5		.4920	
50 derajat Celcius	5			.6420
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

TBA_minggu6

Duncan[a]

Suhu	N	Subset for alpha = .05		
		1	2	3
30 derajat Celcius	5	.4020		
40 derajat Celcius	5		.5600	
50 derajat Celcius	5			.7880
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

➢ Uji Normalitas dan Duncan β-Karoten Biskuit MP-ASI

Tests of Normality

	Waktu	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
BKar_suhu30	Minggu ke-0	.333	5	.073	.819	5	.114
	Minggu ke-1	.331	5	.076	.865	5	.245
	Minggu ke-2	.243	5	.200*	.882	5	.320
	Minggu ke-3	.206	5	.200*	.923	5	.553
	Minggu ke-4	.287	5	.200*	.842	5	.171
	Minggu ke-5	.210	5	.200*	.937	5	.643
	Minggu ke-6	.264	5	.200*	.846	5	.182
BKar_suhu40	Minggu ke-0	.333	5	.073	.819	5	.114
	Minggu ke-1	.256	5	.200*	.953	5	.760
	Minggu ke-2	.339	5	.061	.781	5	.056
	Minggu ke-3	.305	5	.144	.867	5	.254
	Minggu ke-4	.219	5	.200*	.925	5	.565
	Minggu ke-5	.242	5	.200*	.882	5	.318
	Minggu ke-6	.165	5	.200*	.985	5	.957
BKar_suhu50	Minggu ke-0	.333	5	.073	.819	5	.114
	Minggu ke-1	.227	5	.200*	.905	5	.436
	Minggu ke-2	.184	5	.200*	.966	5	.849
	Minggu ke-3	.305	5	.145	.793	5	.071
	Minggu ke-4	.114	5	.200*	1.000	5	1.000
	Minggu ke-5	.344	5	.053	.765	5	.041
	Minggu ke-6	.328	5	.083	.843	5	.172

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
BKar_M0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	.433	12	.036		
	Total	.433	14			
Bkar_M1	Between Groups	.232	2	.116	11.308	.002
	Within Groups	.123	12	.010		
	Total	.355	14			
BKar_M2	Between Groups	.160	2	.080	2.506	.123
	Within Groups	.382	12	.032		
	Total	.541	14			
BKar_M3	Between Groups	.064	2	.032	1.960	.183
	Within Groups	.195	12	.016		
	Total	.259	14			
BKar_M4	Between Groups	.022	2	.011	.765	.487
	Within Groups	.173	12	.014		
	Total	.195	14			
BKar_M5	Between Groups	.002	2	.001	.051	.951
	Within Groups	.232	12	.019		
	Total	.234	14			
BKar_M6	Between Groups	.044	2	.022	2.285	.144
	Within Groups	.117	12	.010		
	Total	.161	14			

BKar_M0

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
30 derajat Celcius	5	2.7020
40 derajat Celcius	5	2.7020
50 derajat Celcius	5	2.7020
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Bkar_M1

Duncan[a]

Suhu	N	Subset for alpha = .05	
		1	2
50 derajat Celcius	5	2.4900	
40 derajat Celcius	5	2.6260	
30 derajat Celcius	5		2.7940
Sig.		.055	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

BKar_M2

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
50 derajat Celcius	5	2.4360
40 derajat Celcius	5	2.4760
30 derajat Celcius	5	2.6720
Sig.		.069

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

BKar_M3

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
50 derajat Celcius	5	2.3920
40 derajat Celcius	5	2.4140
30 derajat Celcius	5	2.5400
Sig.		.106

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

BKar_M4

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
40 derajat Celcius	5	2.2620
50 derajat Celcius	5	2.3300
30 derajat Celcius	5	2.3520
Sig.		.281

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

BKar_M5

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
40 derajat Celcius	5	2.1900
50 derajat Celcius	5	2.1940
30 derajat Celcius	5	2.2160
Sig.		.784

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

BKar_M6

Duncan[a]

Suhu	N	Subset for alpha = .05
		1
50 derajat Celcius	5	2.0040
40 derajat Celcius	5	2.0360
30 derajat Celcius	5	2.1320
Sig.		.074

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
BKar_suhu30	Between Groups	1.976	6	.329	19.918	.000
	Within Groups	.463	28	.017		
	Total	2.439	34			
BKar_suhu40	Between Groups	1.713	6	.286	11.763	.000
	Within Groups	.680	28	.024		
	Total	2.393	34			
BKar_suhu50	Between Groups	1.479	6	.246	13.491	.000
	Within Groups	.512	28	.018		
	Total	1.990	34			

BKar_suhu30

Duncan[a]

		Subset for alpha = .05			
Waktu	N	1	2	3	4
Minggu ke-6	5	2.1320			
Minggu ke-5	5	2.2160	2.2160		
Minggu ke-4	5		2.3520		
Minggu ke-3	5			2.5400	
Minggu ke-2	5			2.6720	2.6720
Minggu ke-0	5			2.7020	2.7020
Minggu ke-1	5				2.7940
Sig.		.310	.106	.069	.167

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

BKar_suhu40

Duncan[a]

		Subset for alpha = .05				
Waktu	N	1	2	3	4	5
Minggu ke-6	5	2.0360				
Minggu ke-5	5	2.1900	2.1900			
Minggu ke-4	5		2.2620	2.2620		
Minggu ke-3	5			2.4140	2.4140	
Minggu ke-2	5				2.4760	
Minggu ke-1	5				2.6260	2.6260
Minggu ke-0	5					2.7020
Sig.		.129	.471	.134	.050	.447

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

BKar_suhu50

Duncan[a]

		Subset for alpha = .05			
Waktu	N	1	2	3	4
Minggu ke-6	5	2.0040			
Minggu ke-5	5		2.1940		
Minggu ke-4	5		2.3300	2.3300	
Minggu ke-3	5			2.3920	
Minggu ke-2	5			2.4360	
Minggu ke-1	5			2.4900	
Minggu ke-0	5				2.7020
Sig.		1.000	.123	.097	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

- Uji Normalitas dan Duncan Kadar Protein Biskuit MP-ASI

Tests of Normality

	Suhu	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Protein_M0	30 derajat Celcius	.203	5	.200*	.969	5	.872
	40 derajat Celcius	.203	5	.200*	.969	5	.872
	50 derajat Celcius	.203	5	.200*	.969	5	.872
Protein_M1	30 derajat Celcius	.175	5	.200*	.966	5	.847
	40 derajat Celcius	.244	5	.200*	.887	5	.340
	50 derajat Celcius	.274	5	.200*	.884	5	.328

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Protein_M0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	.576	12	.048		
	Total	.576	14			
Protein_M1	Between Groups	.166	2	.083	2.738	.105
	Within Groups	.365	12	.030		
	Total	.531	14			

Protein_M0

Duncan[a]

Suhu	N	Subset for alpha = .05 1
30 derajat Celcius	5	8.7540
40 derajat Celcius	5	8.7540
50 derajat Celcius	5	8.7540
Sig.		1.000

Means for groups in homogeneous subsets are displaye

a. Uses Harmonic Mean Sample Size = 5.000.

Protein_M1

Duncan[a]

Suhu	N	Subset for alpha = .05 1	2
50 derajat Celcius	5	8.2940	
40 derajat Celcius	5	8.3720	8.3720
30 derajat Celcius	5		8.5460
Sig.		.493	.141

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Independent Samples Test

		Levene's Test for Equality of Variances F	Sig.	t-test for Equality of Means t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower	Upper
Protein_30	Equal variances assumed	.029	.868	1.601	8	.148	.20800	.12993	-.09162	.50762
	Equal variances not assumed			1.601	7.853	.149	.20800	.12993	-.09260	.50860
Protein_40	Equal variances assumed	.000	.991	2.561	8	.034	.34600	.13513	.03439	.65761
	Equal variances not assumed			2.561	7.979	.034	.34600	.13513	.03425	.65775
Protein_50	Equal variances assumed	.004	.951	3.574	8	.007	.46000	.12869	.16323	.75677
	Equal variances not assumed			3.574	7.803	.008	.46000	.12869	.16192	.75808

- Uji Normalitas dan Duncan Kadar Lemak Biskuit MP-ASI

Tests of Normality

	Suhu	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Lemak_M0	30 derajat Celcius	.223	5	.200*	.856	5	.213
	40 derajat Celcius	.223	5	.200*	.856	5	.213
	50 derajat Celcius	.223	5	.200*	.856	5	.213
Lemak_M6	30 derajat Celcius	.209	5	.200*	.903	5	.424
	40 derajat Celcius	.175	5	.200*	.987	5	.966
	50 derajat Celcius	.197	5	.200*	.889	5	.351

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Lemak_M0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	8.040	12	.670		
	Total	8.040	14			
Lemak_M6	Between Groups	13.434	2	6.717	48.792	.000
	Within Groups	1.652	12	.138		
	Total	15.086	14			

Lemak_M0

Duncan[a]

Suhu	N	Subset for alpha = .05 1
30 derajat Celcius	5	13.9420
40 derajat Celcius	5	13.9420
50 derajat Celcius	5	13.9420
Sig.		1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Lemak_M6

Duncan[a]

Suhu	N	Subset for alpha = .05 1	2	3
50 derajat Celcius	5	10.1440		
40 derajat Celcius	5		11.5020	
30 derajat Celcius	5			12.4500
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Independent Samples Test

		Levene's Test for Equality of Variances F	Sig.	t-test for Equality of Means t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower	Upper
Lemak_suhu30	Equal variances assumed	7.013	.029	3.739	8	.006	1.49200	.39902	.57187	2.41213
	Equal variances not assumed			3.739	5.454	.011	1.49200	.39902	.49146	2.49254
Lemak_suhu40	Equal variances assumed	7.045	.029	6.126	8	.000	2.44000	.39828	1.52156	3.35844
	Equal variances not assumed			6.126	5.423	.001	2.44000	.39828	1.43973	3.44027
Lemak_suhu50	Equal variances assumed	5.277	.051	9.301	8	.000	3.79800	.40834	2.85637	4.73963
	Equal variances not assumed			9.301	5.845	.000	3.79800	.40834	2.79237	4.80363

- Uji Normalitas dan Duncan Kadar Abu Biskuit MP-ASI

Tests of Normality

	Suhu	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Abu_M0	30 derajat Celcius	.276	5	.200*	.906	5	.446
	40 derajat Celcius	.276	5	.200*	.906	5	.446
	50 derajat Celcius	.276	5	.200*	.906	5	.446
Abu_M6	30 derajat Celcius	.325	5	.090	.836	5	.154
	40 derajat Celcius	.311	5	.128	.843	5	.174
	50 derajat Celcius	.203	5	.200*	.910	5	.468

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Abu_M0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	.145	12	.012		
	Total	.145	14			
Abu_M6	Between Groups	.003	2	.002	.065	.938
	Within Groups	.321	12	.027		
	Total	.325	14			

Abu_M0

Duncan[a]

Suhu	N	Subset for alpha = .05 1
30 derajat Celcius	5	2.4700
40 derajat Celcius	5	2.4700
50 derajat Celcius	5	2.4700
Sig.		1.000

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 5.000.

Abu_M6

Duncan[a]

Suhu	N	Subset for alpha = .05 1
50 derajat Celcius	5	2.3520
40 derajat Celcius	5	2.3780
30 derajat Celcius	5	2.3880
Sig.		.747

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 5.000.

Independent Samples Test

		Levene's Test for Equality of Variances F	Sig.	t-test for Equality of Means t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower	Upper
Abu_suhu30	Equal variances assumed	.365	.562	.839	8	.426	.08200	.09774	-.14340	.30740
	Equal variances not assumed			.839	6.423	.432	.08200	.09774	-.15341	.31741
Abu_suhu40	Equal variances assumed	.012	.914	1.359	8	.211	.09200	.06771	-.06413	.24813
	Equal variances not assumed			1.359	7.979	.211	.09200	.06771	-.06420	.24820
Abu_suhu50	Equal variances assumed	1.653	.235	1.233	8	.252	.11800	.09568	-.10263	.33863
	Equal variances not assumed			1.233	6.535	.260	.11800	.09568	-.11154	.34754

- Uji Normalitas dan Duncan Kadar Serat Kasar Biskuit MP-ASI

Tests of Normality

	Suhu	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
SeratKasar_M0	30 derajat Celcius	.247	5	.200*	.871	5	.269
	40 derajat Celcius	.247	5	.200*	.871	5	.269
	50 derajat Celcius	.247	5	.200*	.871	5	.269
SeratKasar_M6	30 derajat Celcius	.235	5	.200*	.945	5	.705
	40 derajat Celcius	.233	5	.200*	.956	5	.782
	50 derajat Celcius	.232	5	.200*	.906	5	.446

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
SeratKasar_M0	Between Groups	.000	2	.000	.000	1.000
	Within Groups	.797	12	.066		
	Total	.797	14			
SeratKasar_M6	Between Groups	.074	2	.037	.372	.697
	Within Groups	1.202	12	.100		
	Total	1.276	14			

SeratKasar_M0

Duncan[a]

Suhu	N	Subset for alpha = .05 1
30 derajat Celcius	5	4.1740
40 derajat Celcius	5	4.1740
50 derajat Celcius	5	4.1740
Sig.		1.000

Means for groups in homogeneous subsets are displaye

a. Uses Harmonic Mean Sample Size = 5.000.

SeratKasar_M6

Duncan[a]

Suhu	N	Subset for alpha = .05 1
40 derajat Celcius	5	3.8100
50 derajat Celcius	5	3.8240
30 derajat Celcius	5	3.9660
Sig.		.473

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 5.000.

Independent Samples Test

		Levene's Test for Equality of Variances F	Sig.	t-test for Equality of Means t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference Lower	Upper
SeratKasar_suhu30	Equal variances assumed	.019	.894	1.162	8	.279	.20800	.17900	-.20478	.62078
	Equal variances not assumed			1.162	7.772	.280	.20800	.17900	-.20690	.62290
SeratKasar_suhu40	Equal variances assumed	3.652	.092	2.741	8	.025	.36400	.13280	.05776	.67024
	Equal variances not assumed			2.741	6.372	.032	.36400	.13280	.04359	.68441
SeratKasar_suhu50	Equal variances assumed	.494	.502	1.561	8	.157	.35000	.22415	-.16688	.86688
	Equal variances not assumed			1.561	6.545	.165	.35000	.22415	-.18759	.88759

Lampiran 3. SNI 01-7111.2-2005